

# INTERNATIONAL SEARCH REPORT

International Application No

PC L2004/000760

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K31/445 A61P3/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, EMBASE, BIOSIS, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/02161 A (UNIVERSITEIT VAN AMSTERDAM, NETH.;AERTS, JOHANNES MARIA FRANCISCUS GER) 22 January 1998 (1998-01-22) cited in the application page 33 - page 34	14
A	OVERKLEEFTH S ET AL: "GENERATION OF SPECIFIC DEOXYNOJIRIMYCIN-TYPE INHIBITORS OF THE NON-LYSOSOMAL GLUCOSYLCERAMIDASE" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 273, no. 41, 9 October 1998 (1998-10-09), pages 26522-26527, XP000934220 ISSN: 0021-9258 cited in the application the whole document	14

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

3 February 2005

Date of mailing of the international search report

12 07. 2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DWEK, R. A. ET AL.: "Targeting Glycosylation as a Therapeutic Approach" NATURE REVIEWS DRUG DISCOVERY, vol. 1, no. 1, 2002, pages 65-75, XP009025730 uk page 66, right-hand column, paragraph 1	1
A	the whole document	14
X	----- BR 9 902 585 A (BRAZIL) 26 September 2000 (2000-09-26) page 1, line 4 - line 9 page 3, line 19 - line 30 page 10, last paragraph - page 12, line 5	1, 14
X	----- OMAR, M.A.K. ET AL.: "The clinical efficacy of a second-generation alpha-glucosidase inhibitor in non-insulin-dependent diabetic patients" SOUTH AFRICAN MEDICAL JOURNAL, vol. 71, no. 7, 1987, pages 422-423, XP009043269 the whole document	1, 6-15
X	----- FEDERLIN, K. ET AL.: "The effect of two new glucosidase inhibitors on blood glucose in healthy volunteers and in type II diabetics" ACTA DIABETOLOGICA LATINA, vol. 24, no. 3, 1987, pages 213-221, XP009043276 page 213, line 1 - page 214, line 5 figure 1 page 216, last paragraph - page 221, last paragraph -----	1, 6-15

# INTERNATIONAL SEARCH REPORT

International application No.  
( PCT/NL2004/000760

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1, 15, 6-14 (partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,15,6-14 (partially)

Use of a deoxynojirimycin derivative for the manufacture of a medicament for the treatment of insulin resistance

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2. claims: 2, 6-14 (partially), 16(partially)

Use of a deoxynojirimycin derivative for the manufacture of a medicament for the treatment of hyperpigmentation

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3. claims: 2, 6-14 (partially), 16 (partially)

Use of a deoxynojirimycin derivative for the manufacture of a medicament for the treatment of inflammatory processes in the skin

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4. claims: 3, 6-14 (partially), 16 (partially)

Use of a deoxynojirimycin derivative for the manufacture of a medicament for the treatment of fungal diseases

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5. claims: 4, 6-14 (partially), 16 (partially)

Use of a deoxynojirimycin derivative for the manufacture of a medicament for the treatment of microbacterial infections

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6. claims: 5, 6-14 (partially), 16 (partially)

Use of a deoxynojirimycin derivative for the manufacture of a medicament for the treatment of overweight and obesity

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9802161	A	22-01-1998	AU 732552 B2 26-04-2001
		AU 3464797 A	09-02-1998
		CA 2260790 A1	22-01-1998
		EP 0912179 A1	06-05-1999
		JP 2000516577 T	12-12-2000
		WO 9802161 A1	22-01-1998
		US 6177447 B1	23-01-2001
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BR 9902585	A	26-09-2000	NONE
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